



Data Sheet 1.93

Issue A



Cast Steel Wafer Butterfly Valve Class PN40

General Description

Butterfly valves are commonly used in fire protection systems as system control valves, sectional or pump water control valves. To reduce the risk of a water hammer Butterfly Valves are provided with a slow close hand wheel operation gearbox.

The valve is equipped with limit switch box to monitor open or closed position of the valve.



Design Standards

- Inspection & Test : API 598
- End Flange Dimension : API 609
- Face to Face Dimension : API 609

Connections

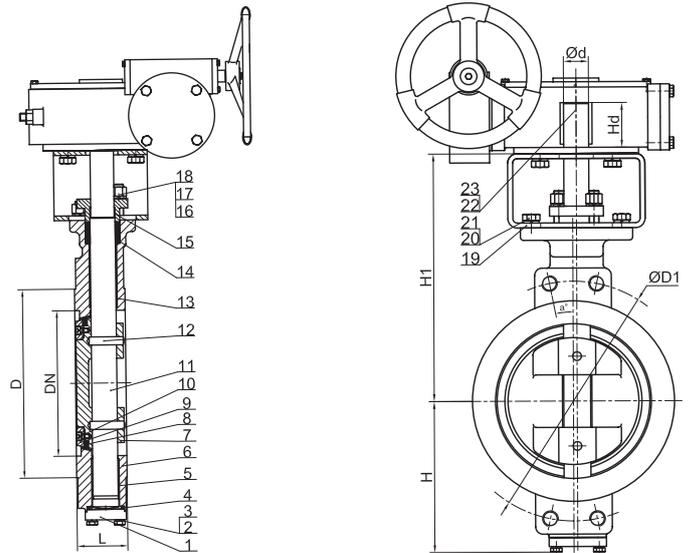
PN40 Flange as per BS EN 1092-1

Maximum Working Pressure

40bar (580psi)

Material Specifications

Part No.	Description	Material	Specification
1	Bottom Cover	Carbon Steel	A105
2	Bolts	Steel	A193 B7
3	Spring Washer	Steel	1566
4	Gasket	Stainless Steel and Graphite	304 + Graphite
5	Bearing		SF-1
6	Body	Cast Steel	A216 WCB
7	Disc	Stainless Steel	A351 CF8
8	Seat ring	Stainless Steel and Graphite	304 + Graphite
9	Retaining ring	Austenitic Cr-Ni Stainless Steel	A182 F304
10	Bolt	Stainless Steel	A193 B8
11	Stem	Stainless Steel	17-4PH
12	Pin	Stainless Steel	17-4PH
13	Bearing		SF-1
14	Packing	Graphite	Graphite
15	Packing Gland	Cast Steel	A216 WCB
16	Nut	Stainless Steel	A194 2H
17	Spring Washer	Chrome Plated Carbon Steel	1566
18	Stud	Steel	A193 B7
19	Yoke	Carbon Steel	1020
20	Spring Washer	Carbon Steel	1065
21	Bolts	Stainless Steel	A193 B7M
22	Parallel Key	Carbon Steel	1045
23	Gear		



Dimensions

Size	Dimensions [mm]								Ordering Codes
	mm	inch	L	D	D1	H	H1	α°	
DN80	3"	48	127	168	85	182	-	17	RDHUKHPBV3
DN100	4"	54	157	200	100	202	-	19	RDHUKHPBV4
DN150	6"	59	216	250	180	290	22.5°	25	RDHUKHPBV6

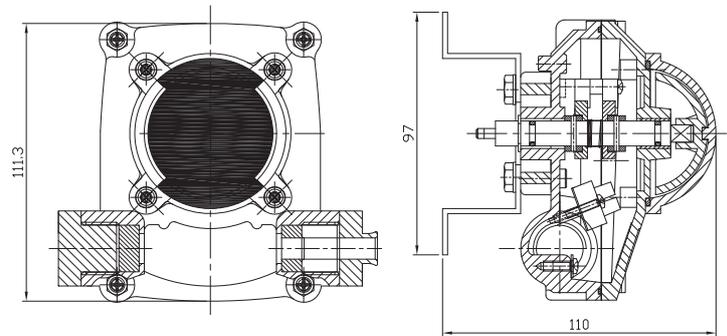


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General Description

Limit switch box is rotary position indication device and is designed to integrate with valve with a variety of mounting options, internal switches, sensors and configurations.

Switch allows monitoring both open or closed positions of the valve.



LIMIT SWITCH BOX (2SPDT) WIRING DIAGRAM

